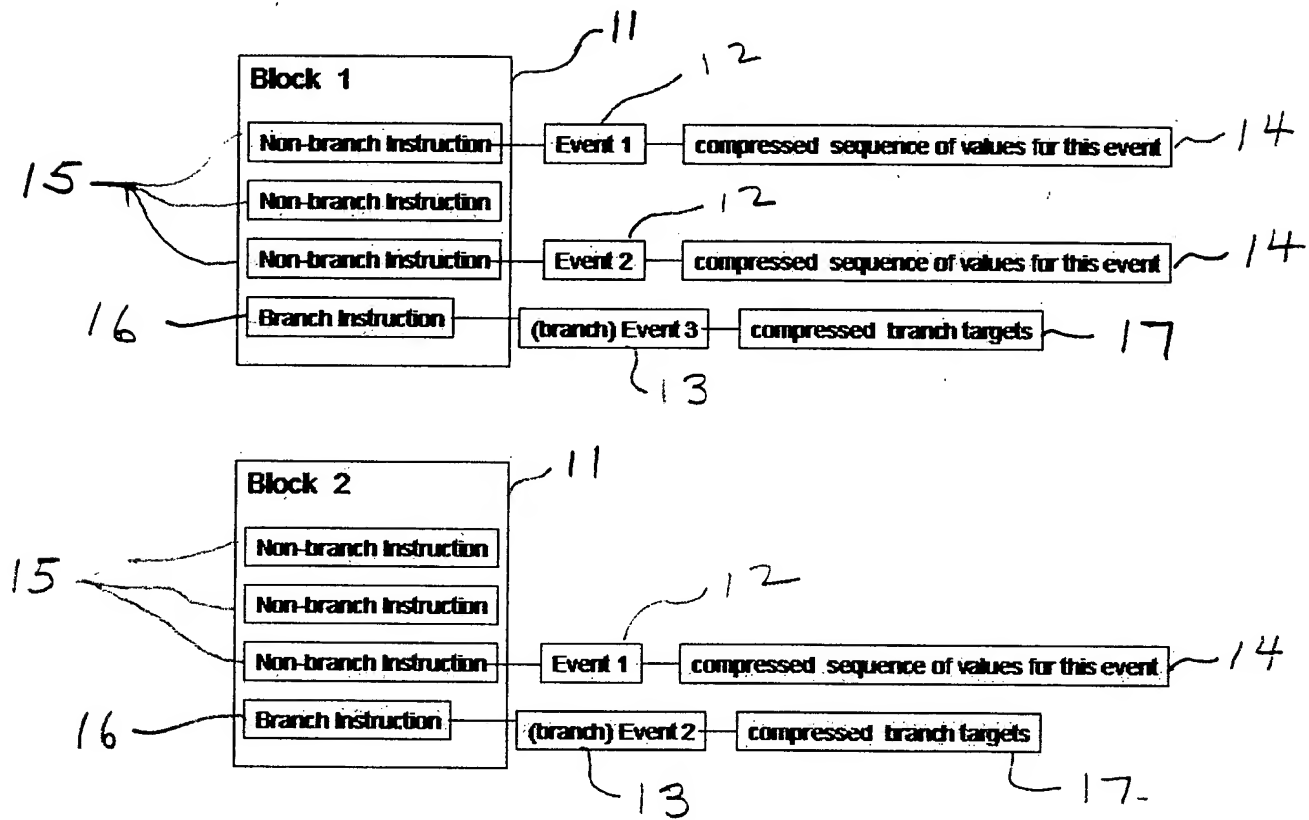


**Figure 1 Blocks, Instructions, Events and Compr ssed Value-Sequences**



**Figure 2 Stride Pattern Reduction Rules**

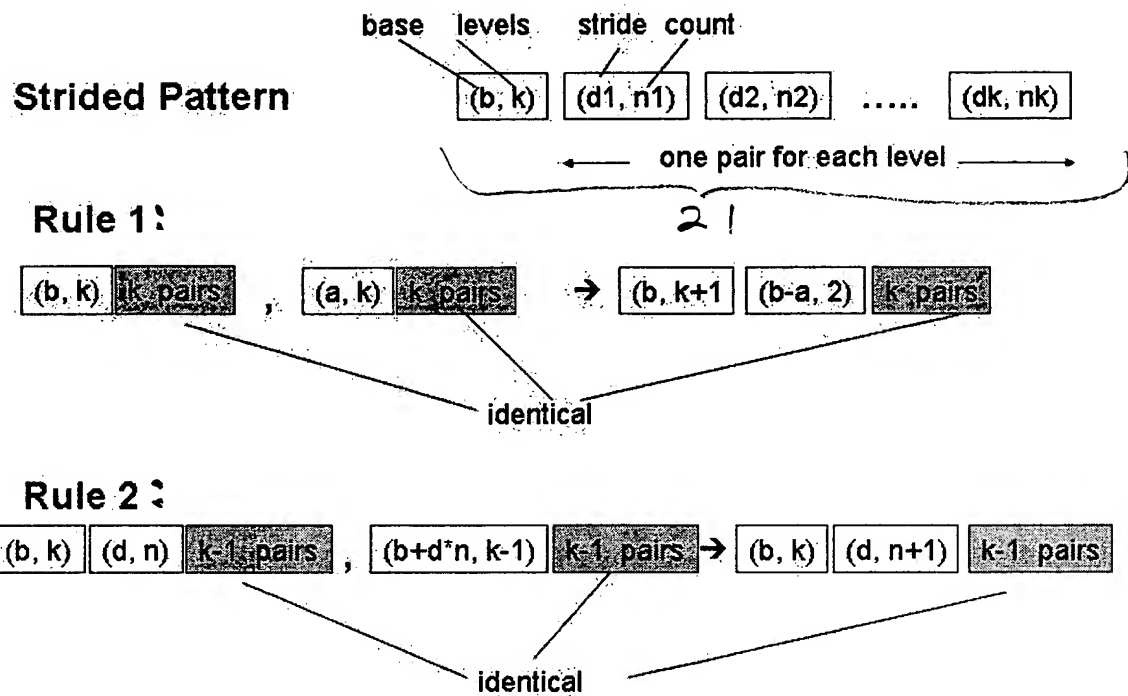


Figure 3 Repeat Pattern Reduction Rules

**Repeat Pattern**  $\{ \boxed{\text{sp1}} \boxed{\text{sp2}} \dots \boxed{\text{spk}} \}^* n$

*k strided patterns repeated n times*

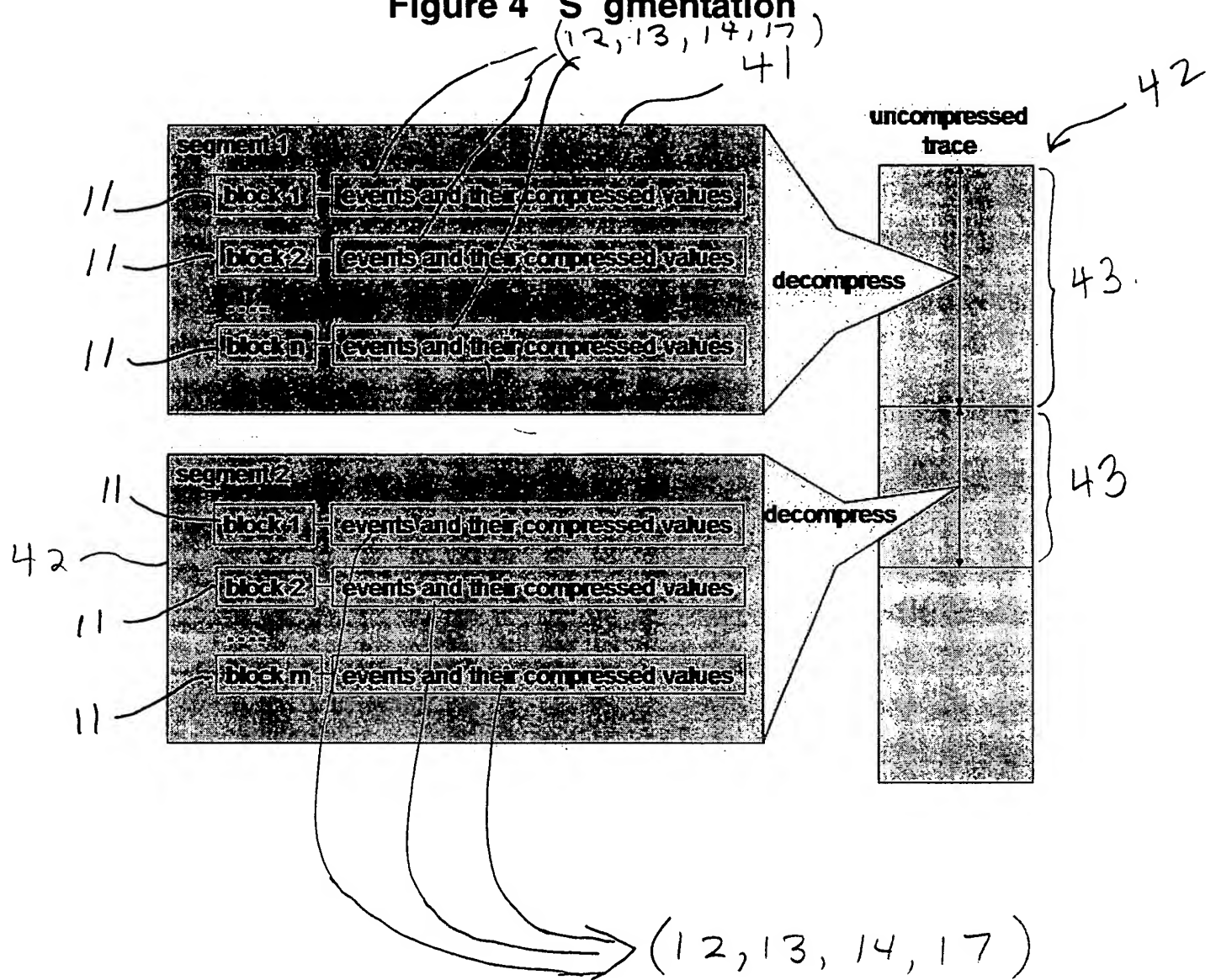
**Rule 3 :**

$\boxed{\text{sp1}} \boxed{\text{sp2}} \dots \boxed{\text{spk}}, \boxed{\text{sp1}} \boxed{\text{sp2}} \dots \boxed{\text{spk}} \rightarrow \{ \boxed{\text{sp1}} \boxed{\text{sp2}} \dots \boxed{\text{spk}} \}^* 2$

**Rule 4 :**

$\{ \boxed{\text{sp1}} \boxed{\text{sp2}} \dots \boxed{\text{spk}} \}^* n, \boxed{\text{sp1}} \boxed{\text{sp2}} \dots \boxed{\text{spk}} \rightarrow \{ \boxed{\text{sp1}} \boxed{\text{sp2}} \dots \boxed{\text{spk}} \}^* n+1$

Figure 4 Segmentation



### Figure 5 Address Pre-f tching

